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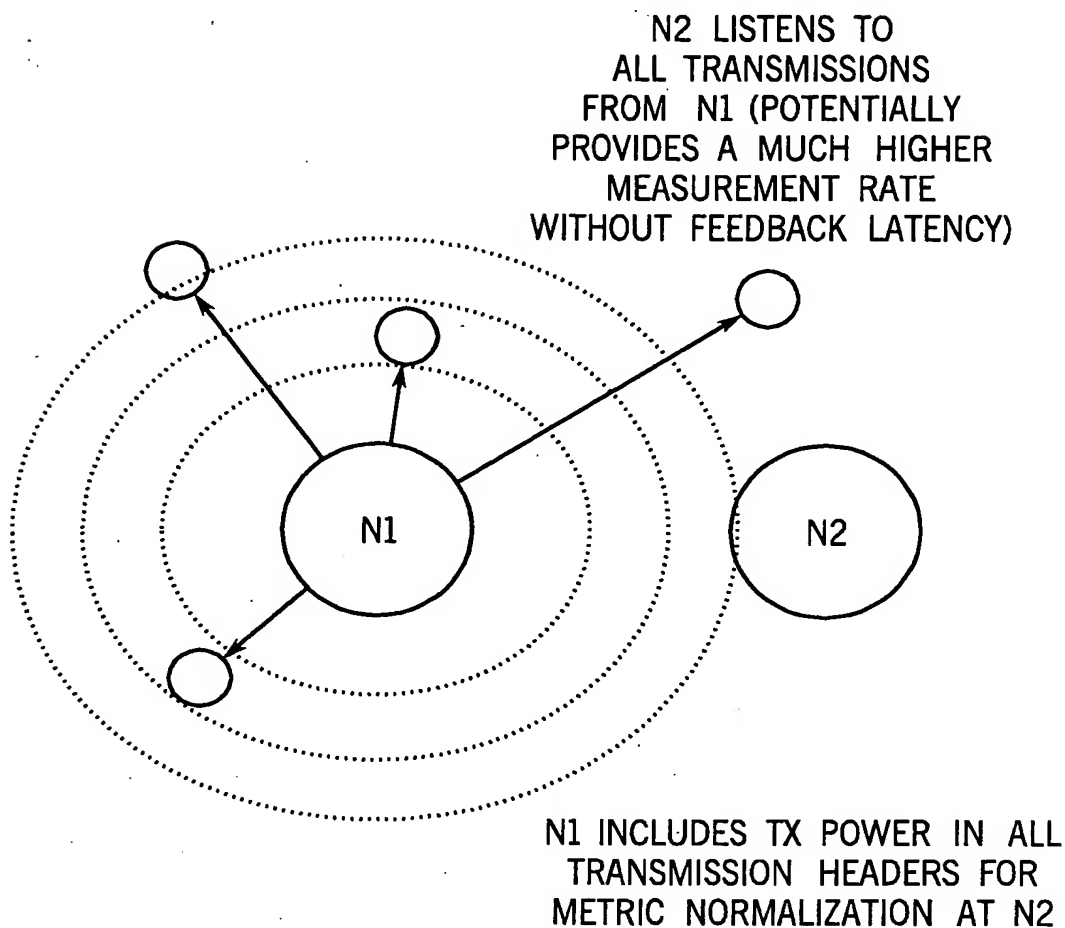


FIG. 1

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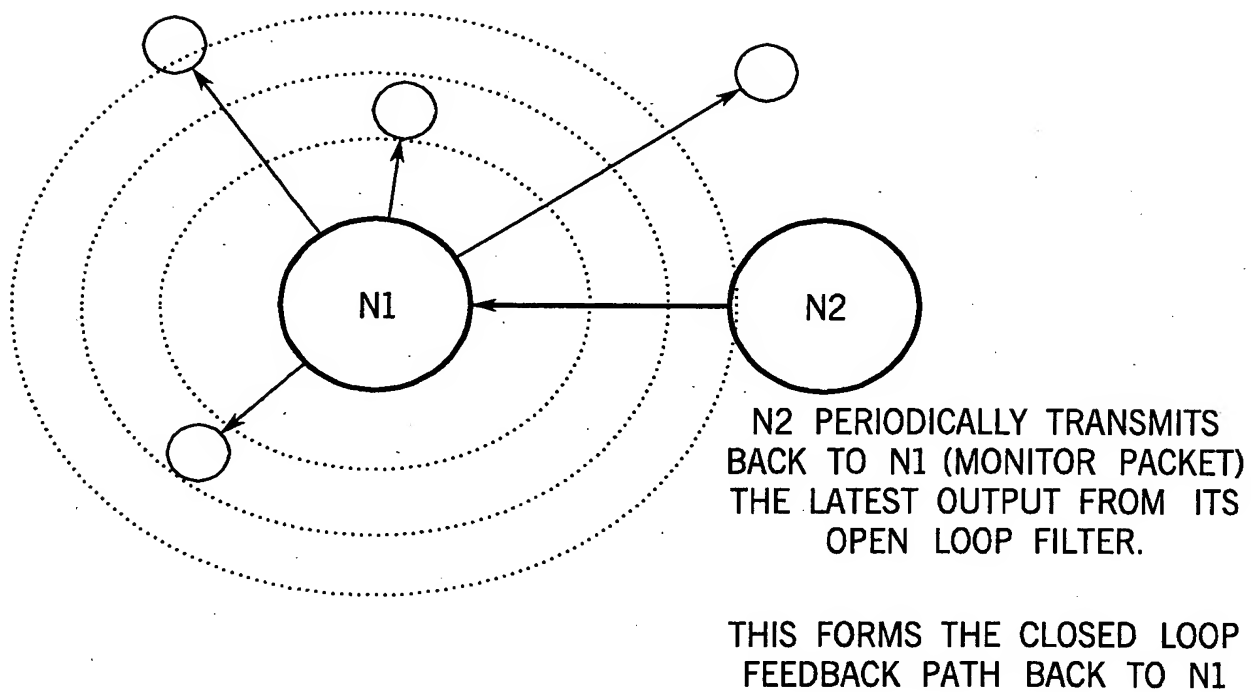


FIG. 2

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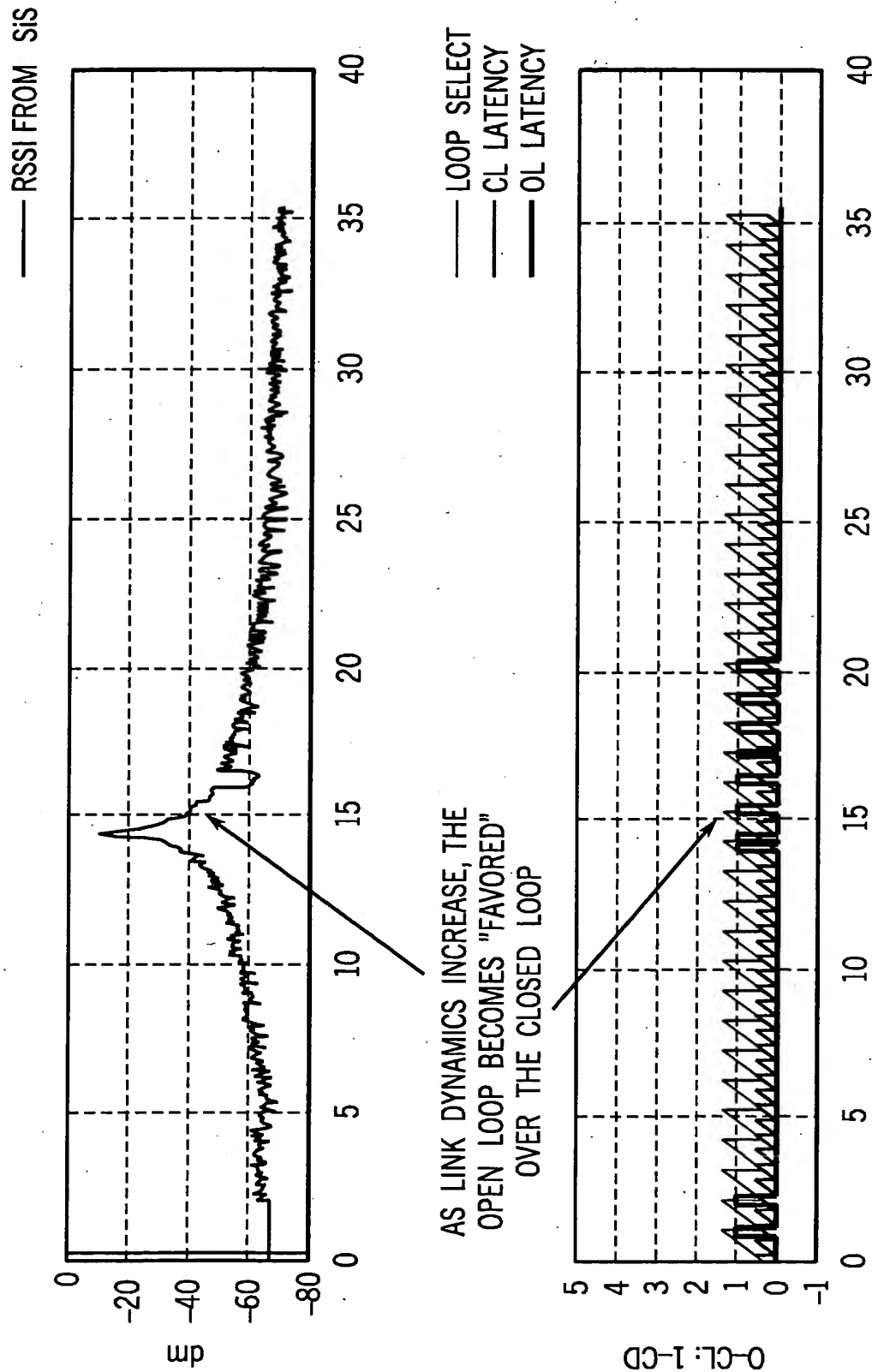


FIG. 3

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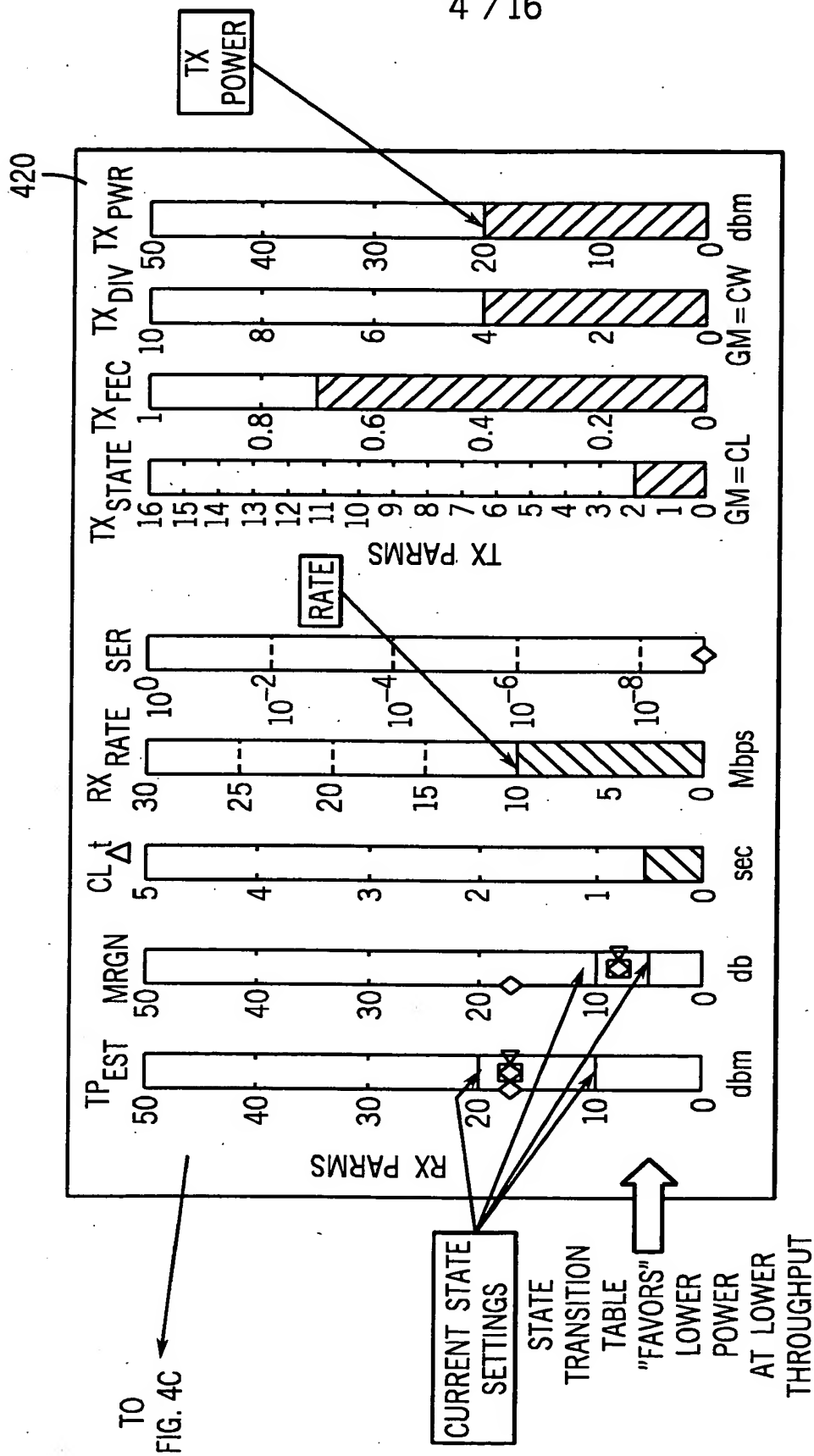


FIG. 4A

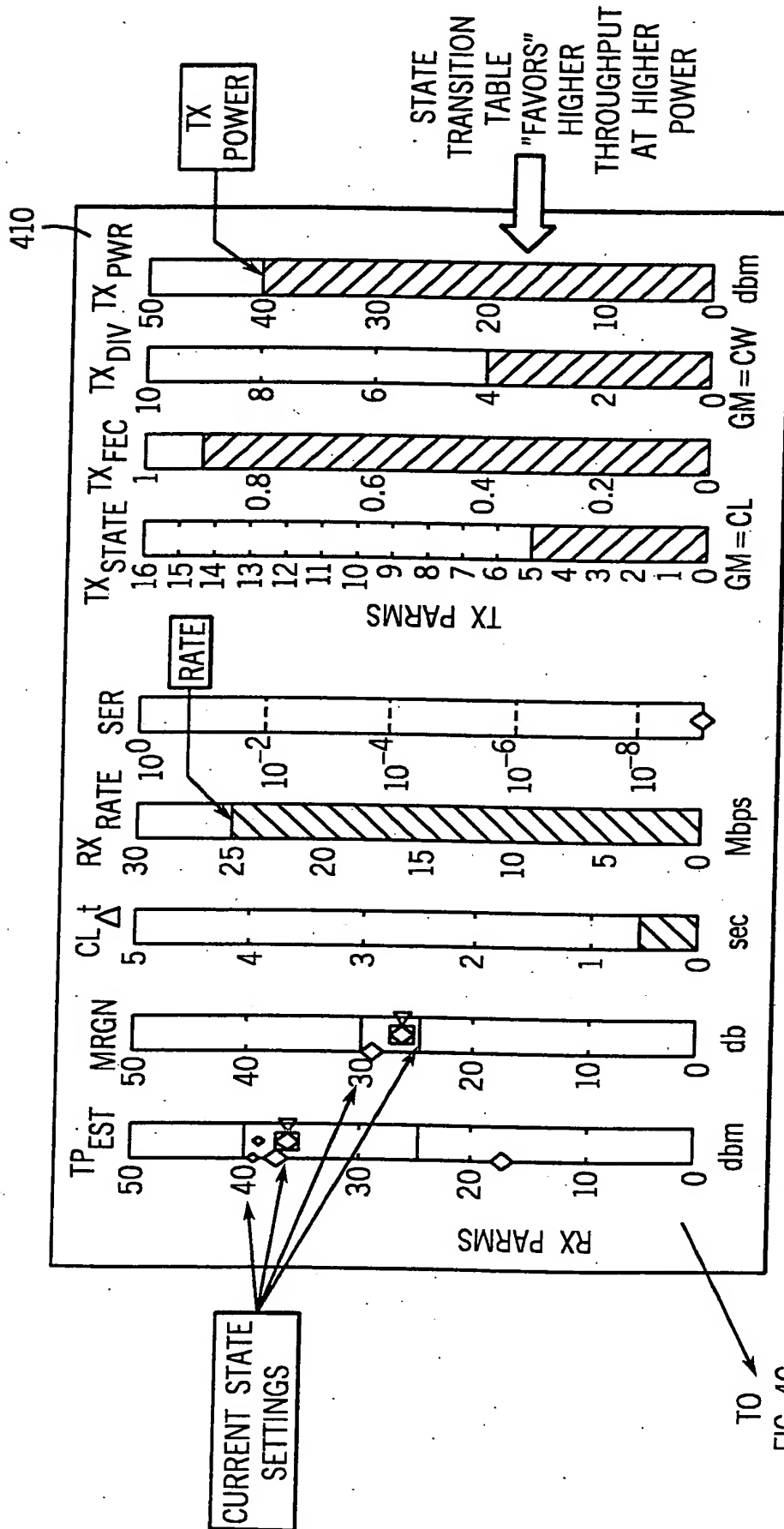


FIG. 4B

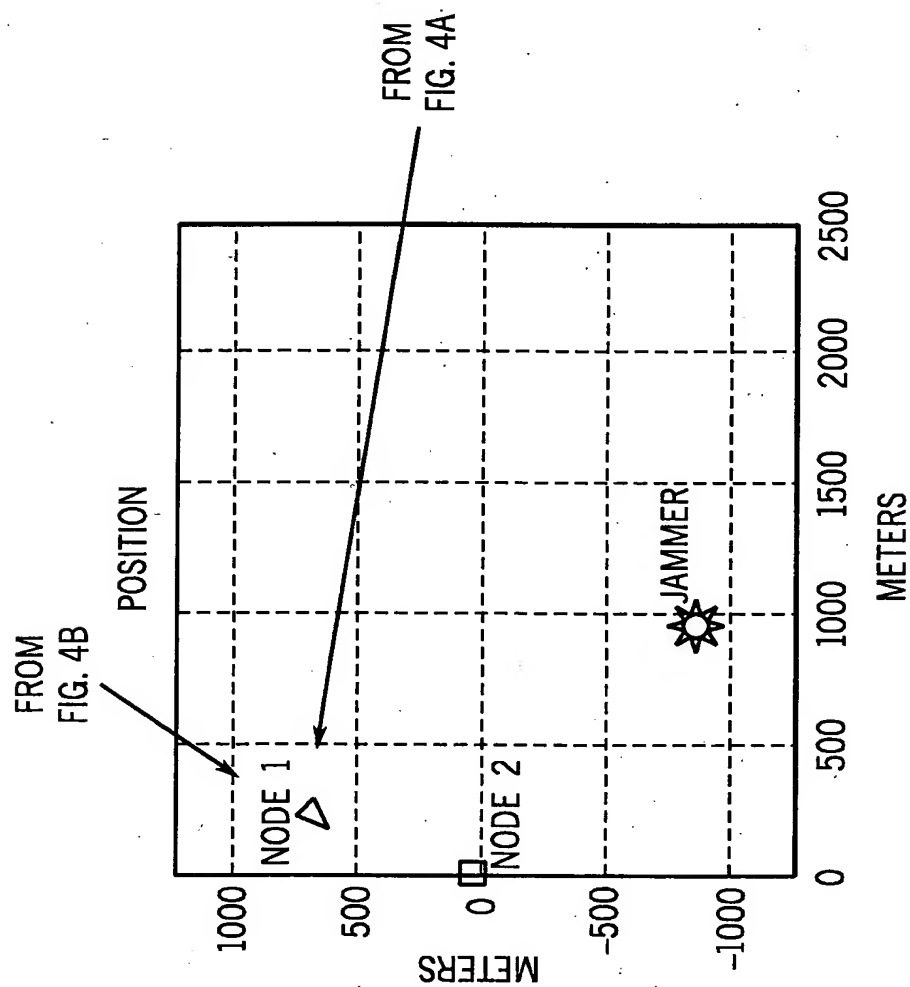


FIG. 4C

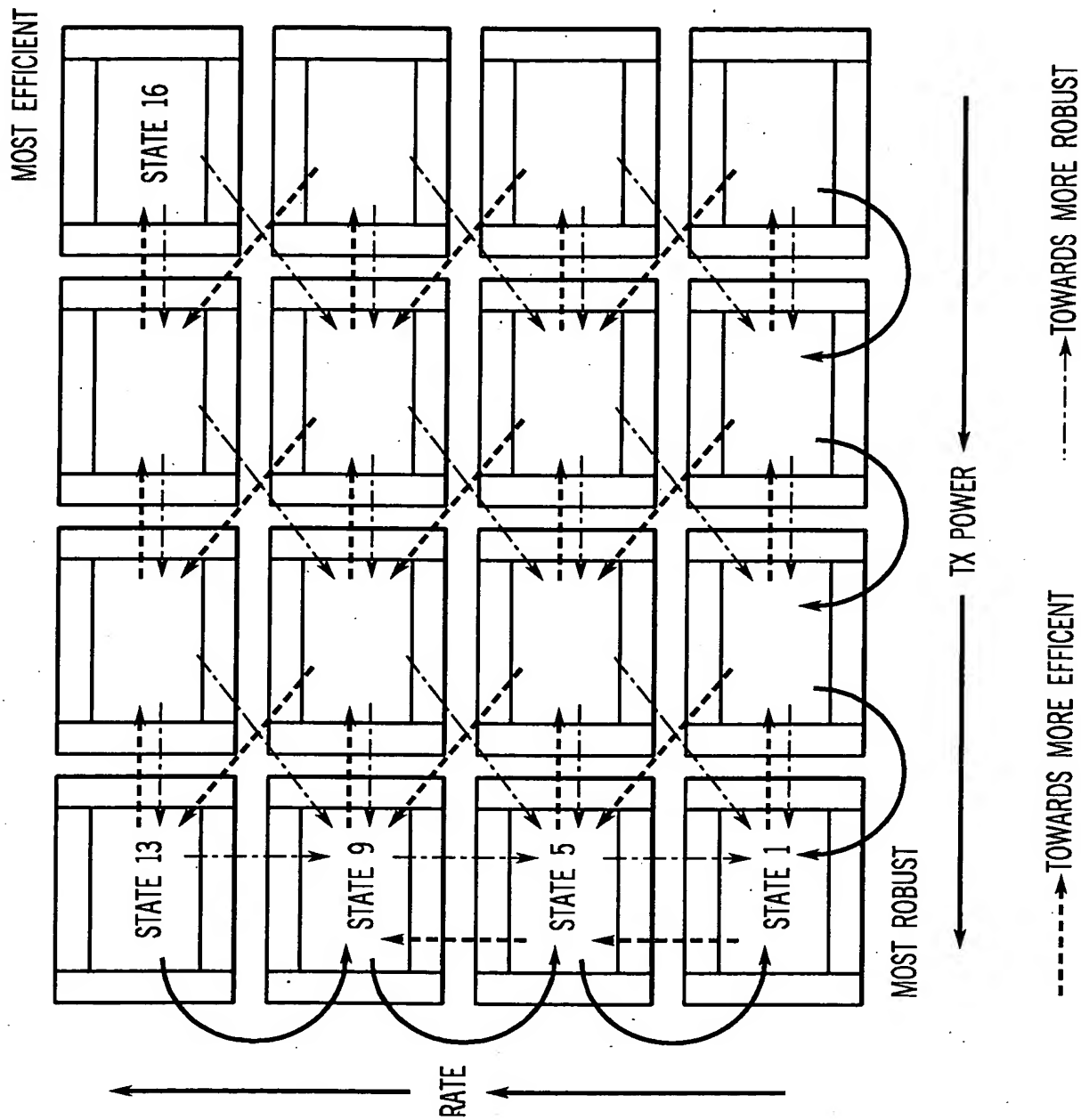


FIG. 5

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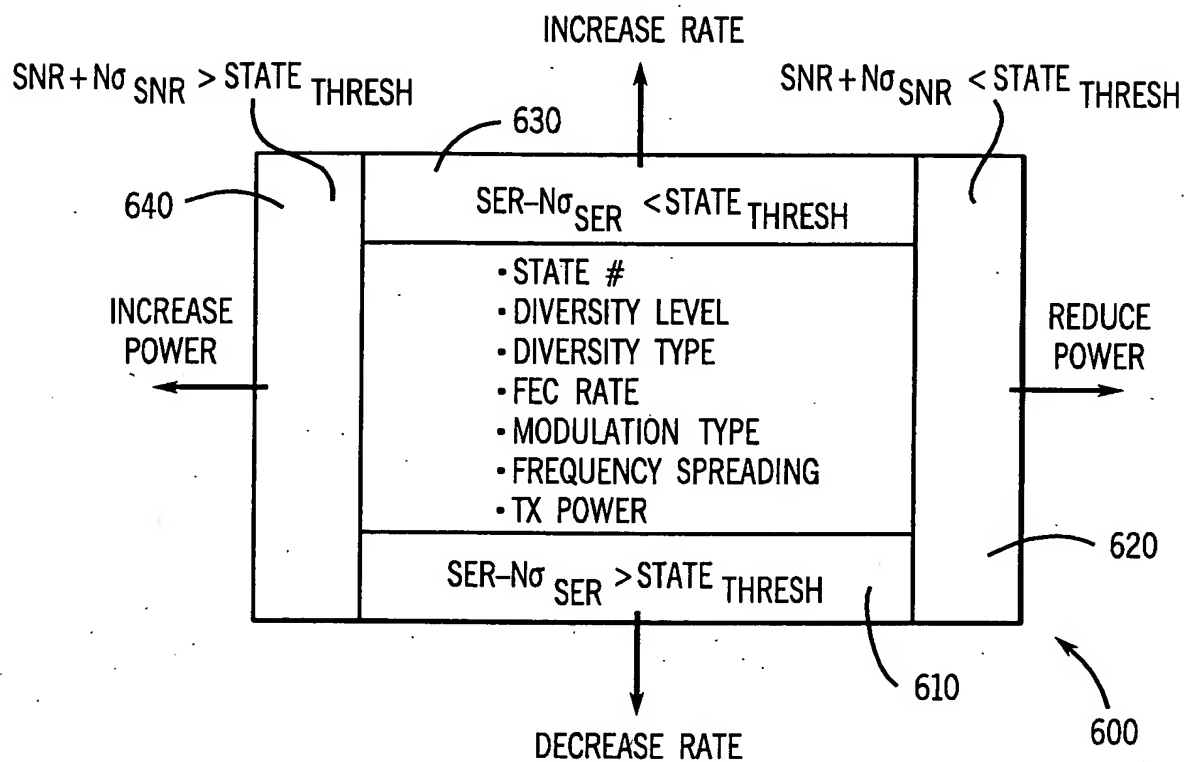


FIG. 6

Current State Number	TX Power (dbm)	Modulation (1=4psk, 2-16-dpsk)	Target SNR for Modulation	Diversity Level	Diversity Type (1=CW, 2=Rep)	SNR Div. Combining(0=Max, 1=Min, 2=Avg)	SER Div. Combining(0=Max, 1=Min, 2=Avg)	FEC Rate)	TPreq > Thresh	State when thresh crossed	TPreq < Thresh	Deviation Multiple	Margin > Thresh	State when thresh crossed	Deviation Multiple	Margin < Thresh	State when thresh crossed	Deviation Multiple	State when thresh crossed	Deviation Multiple	State when thresh crossed	Deviation Multiple	State when thresh crossed	Deviation Multiple
1	40	1	15	4	1	0	1	0.5	40	1	1	25	1	1	10	1	1	20	1	2	1	20	1	2
2	40	1	15	4	2	2	2	0.5	40	1	1	25	1	2	15	1	1	25	1	3	1	25	1	3
3	40	1	15	4	2	2	2	0.75	40	1	2	25	1	4	20	1	2	25	1	3	1	25	1	3
4	30	1	15	4	2	2	2	0.75	40	1	3	15	1	4	20	1	3	30	1	5	1	30	1	5
5	40	2	30	4	2	2	2	0.91	40	1	3	25	1	6	25	1	3	100	1	5	1	100	1	5
6	30	2	30	4	2	2	2	0.91	25	1	5	15	1	7	25	1	5	100	1	6	1	100	1	6
7	20	2	30	4	2	2	2	0.91	20	1	6	5	1	8	25	1	6	100	1	7	1	100	1	7
8	10	2	30	4	2	2	2	0.91	15	1	7	-5	1	8	25	1	7	100	1	8	1	100	1	8

FIG. 7

700

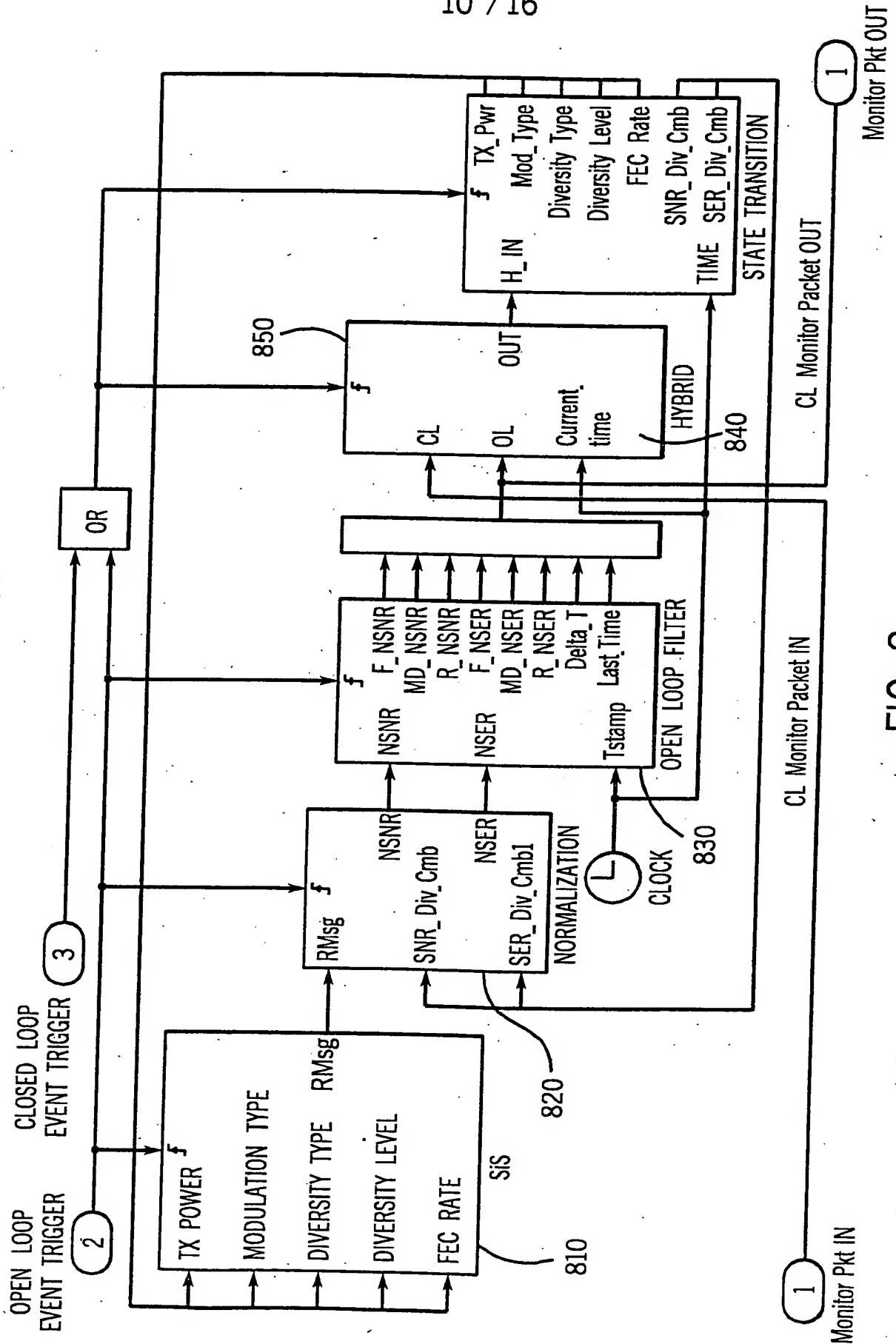


FIG. 8

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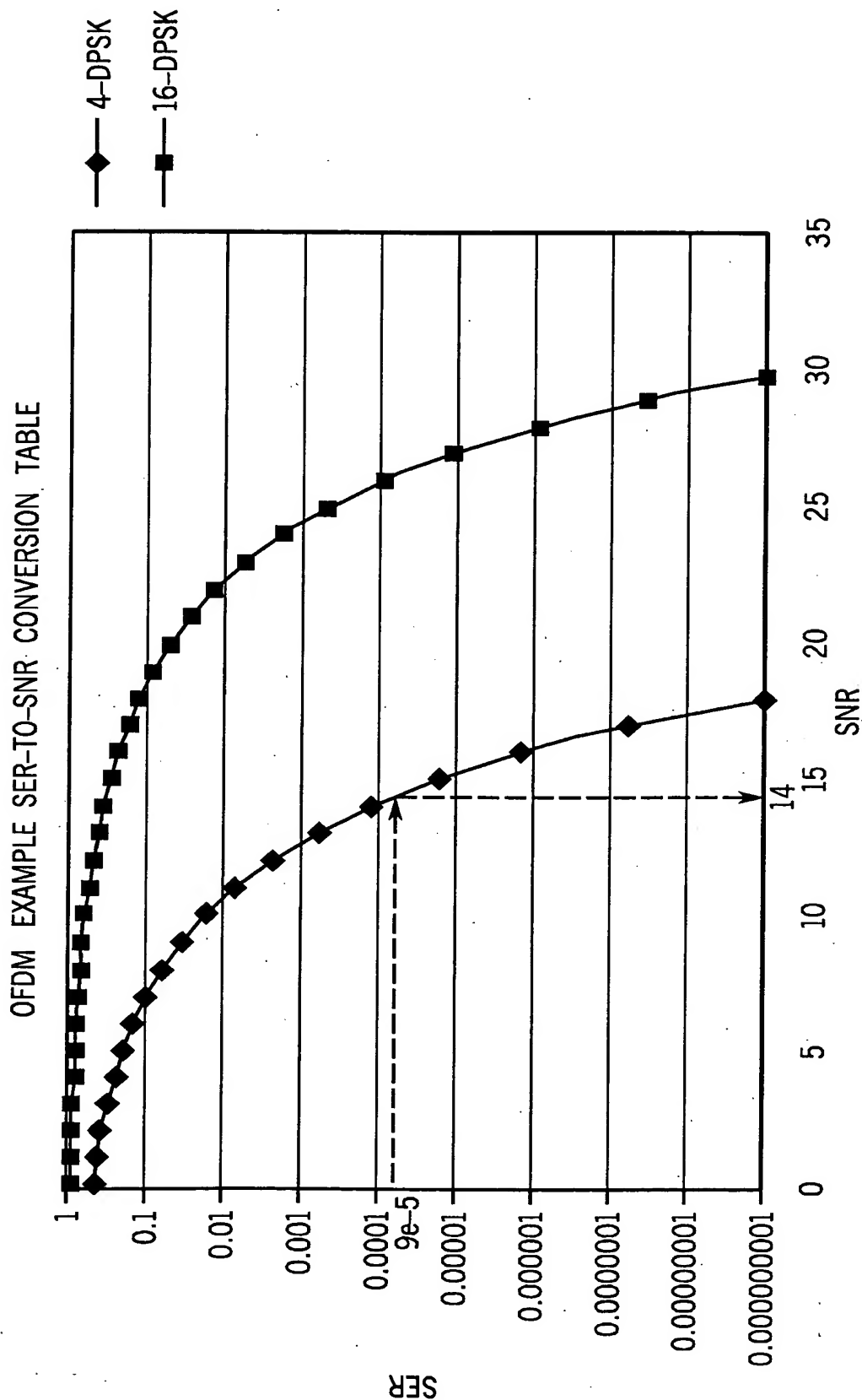


FIG. 9

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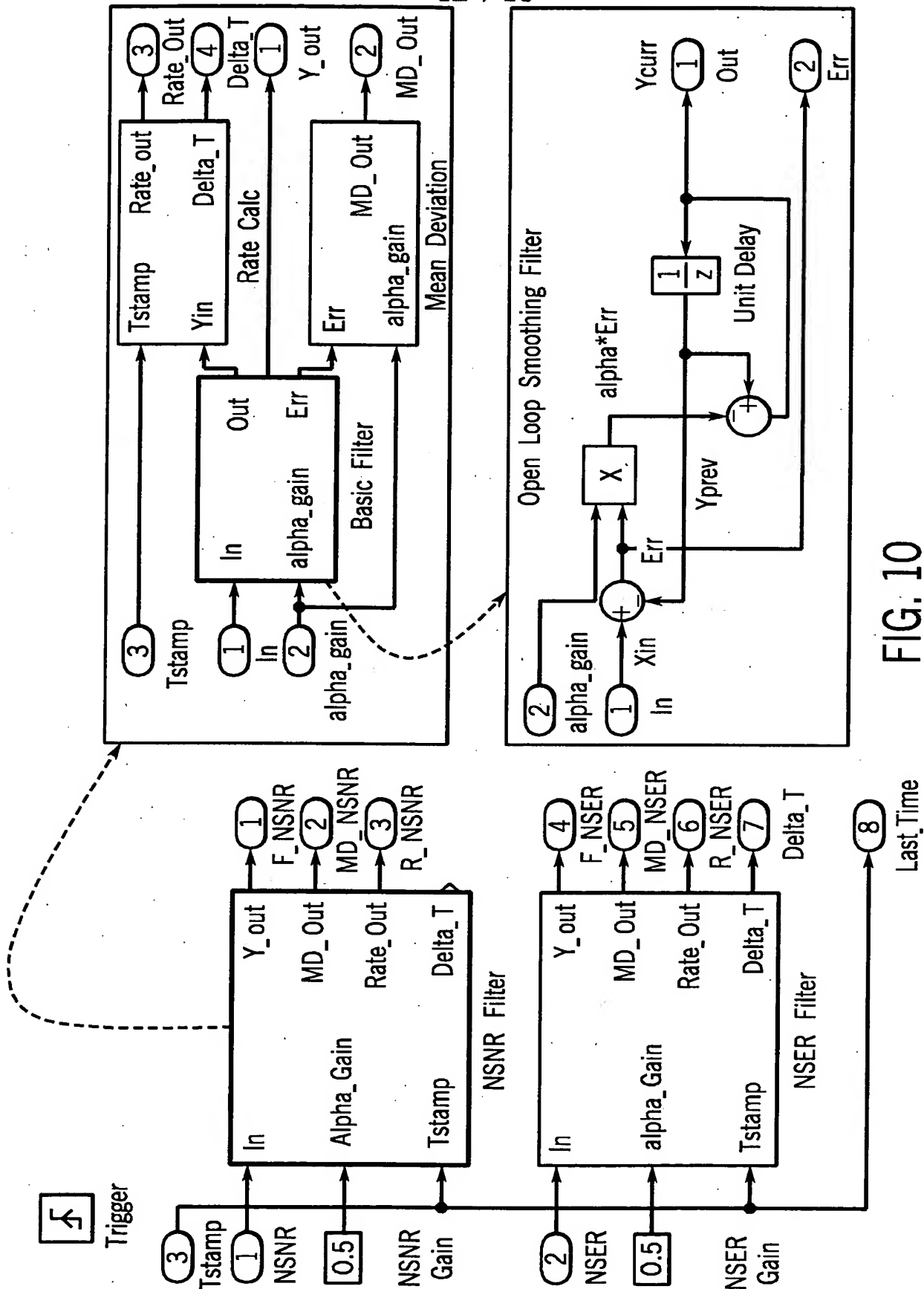


FIG. 10

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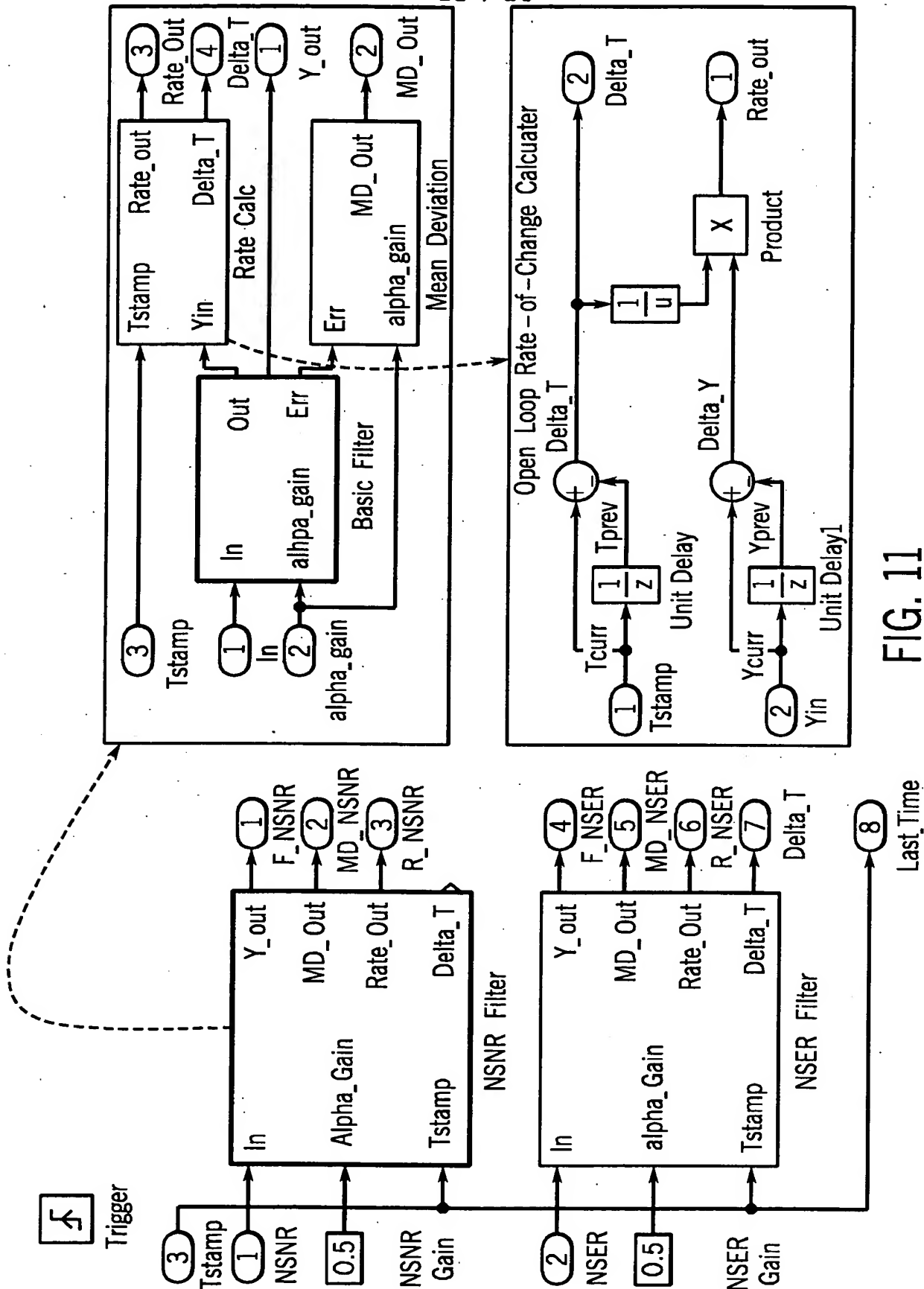
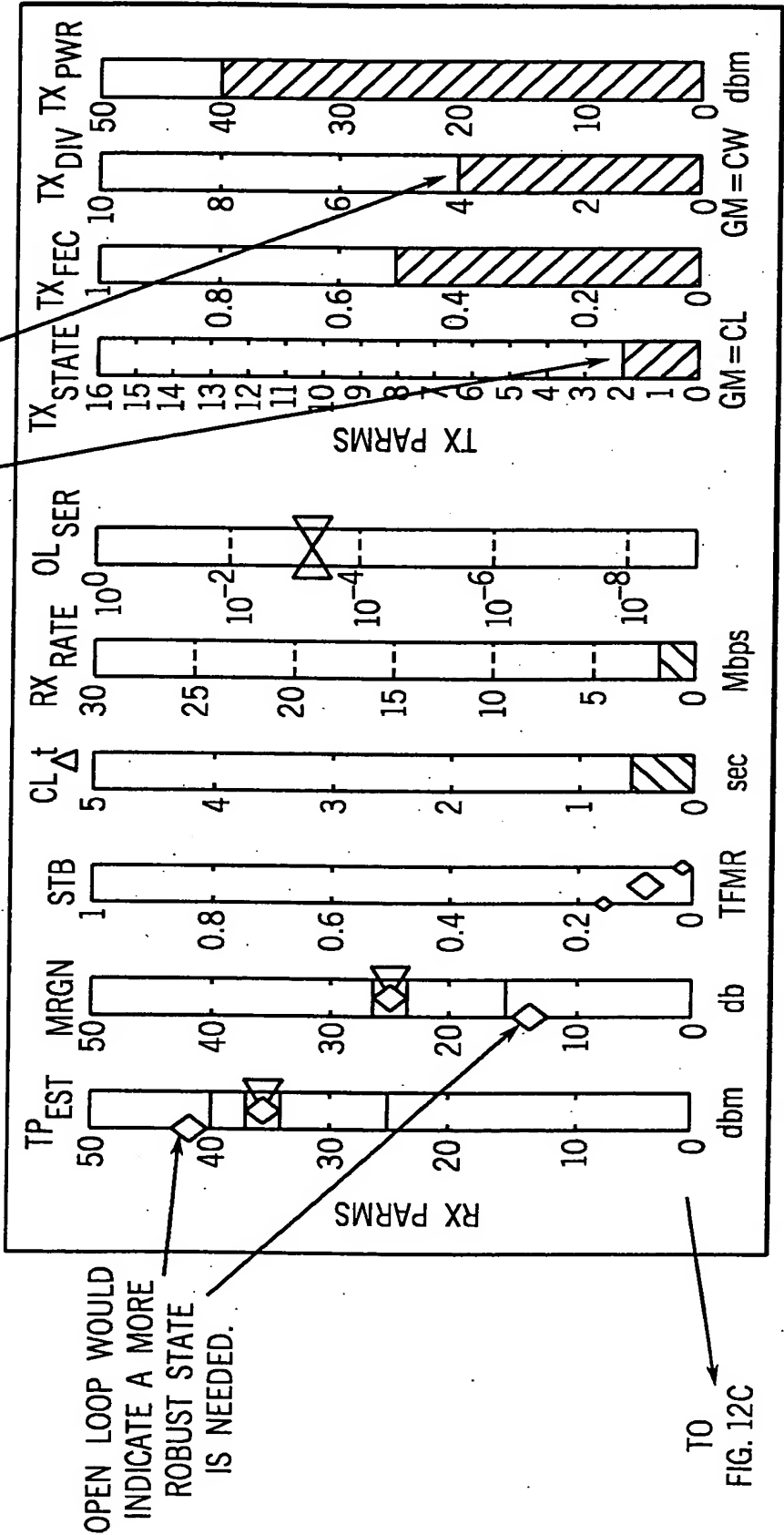


FIG. 11

NODE 1'S IS BEING IMPACTED BY JAMMER.

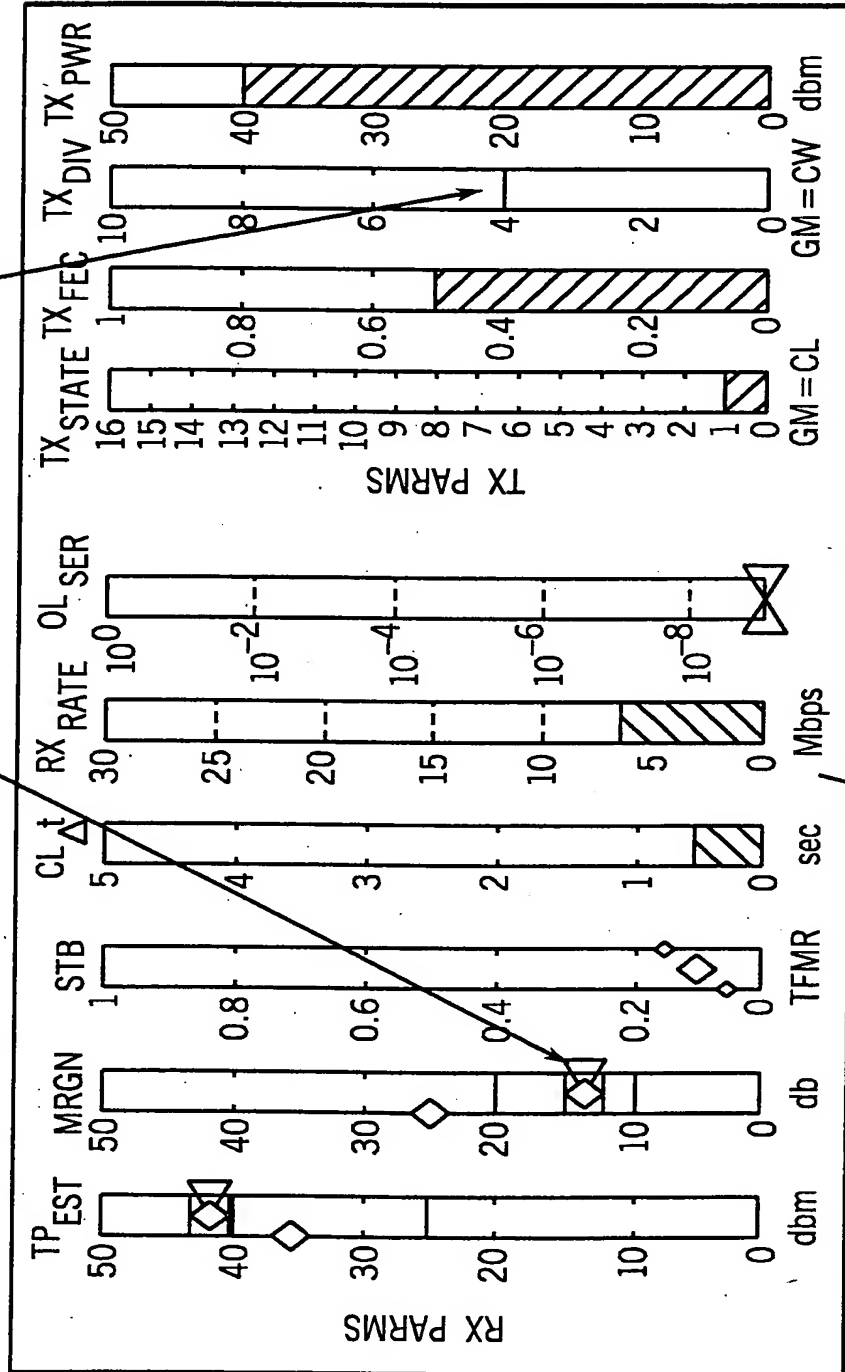
HOWEVER, CLOSED LOOP IS VALID
AND INDICATWS A MORE EFFICIENT
STATE CAN BE USED.



NODE 1

FIG. 12A

NODE 2'S CLOSED LOOP MARGIN ESTIMATE
IS LOW (INDICATES A MORE ROBUST STATE IS NEEDED)
(RED DIVERSITY TYPE=REPETITION)



NODE 2

TO FIG. 12C

FIG. 12B

